

Title (en)  
DEVICE AND METHOD FOR REFRIGERANT RECOVERY

Publication  
**EP 0328475 B1 19920805 (EN)**

Application  
**EP 89630020 A 19890202**

Priority  
US 15548888 A 19880212

Abstract (en)  
[origin: EP0328475A2] A refrigerant recovery device (10) comprises a pressure vessel (12) filled with packings (16), such as Berl saddles, that provide a large surface area for mass transfer. The vessel is partly filled with a refrigeration-quality oil (14). The pressure vessel (12) is mounted on a stand (26) and pivoted so that it can easily be inverted periodically for coating the packing material with the oil (14). A flexible hose (22) connects the vessel (12) with a refrigeration or air conditioning unit (30), and a shut off valve (24) is provided as is a check valve (20) which prevents out flow of oil from the vessel (12). The oil (14) in the vessel (12) absorbs the refrigerant, and causes its partial pressure in the vessel (12) to be reduced, so that refrigerant vapor flows from the refrigeration or air conditioning unit (30) into the vessel (12). After the refrigerant has been absorbed, the valve can be closed, and the vessel (12) returned to a central site for reclamation.

IPC 1-7  
**F25B 45/00**

IPC 8 full level  
**B01D 53/70** (2006.01); **B01D 53/72** (2006.01); **F25B 45/00** (2006.01)

CPC (source: EP US)  
**B01D 53/70** (2013.01 - EP US); **B01D 53/72** (2013.01 - EP US); **F25B 45/00** (2013.01 - EP US); **F25B 2345/002** (2013.01 - EP US); **Y10S 261/72** (2013.01 - EP US)

Cited by  
EP0431335A3

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DOCDB simple family (publication)  
**US 4776174 A 19881011**; BR 8900516 A 19891003; CA 1296913 C 19920310; EP 0328475 A2 19890816; EP 0328475 A3 19900905; EP 0328475 B1 19920805; ES 2034738 T3 19930401; JP H02146480 A 19900605; MY 103697 A 19930828

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